

FIG. | PRIOR ART

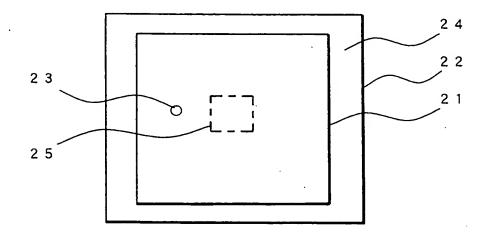


FIG. 2 PRIOR ART

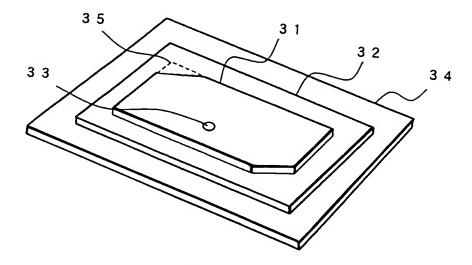


FIG. 3 PRIOR ART

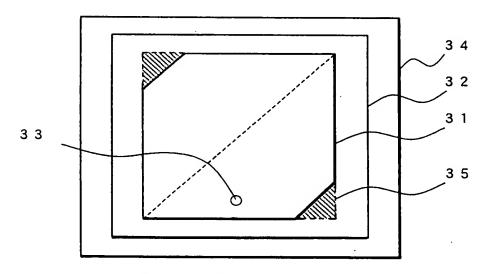


FIG. 4A PRIOR ART

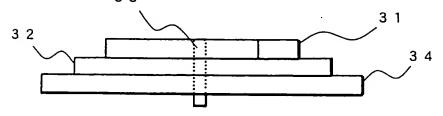
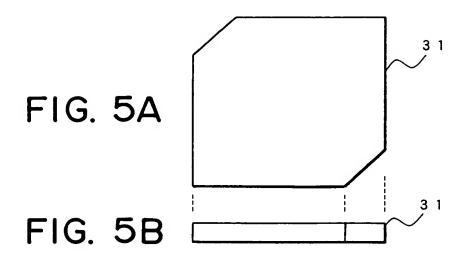
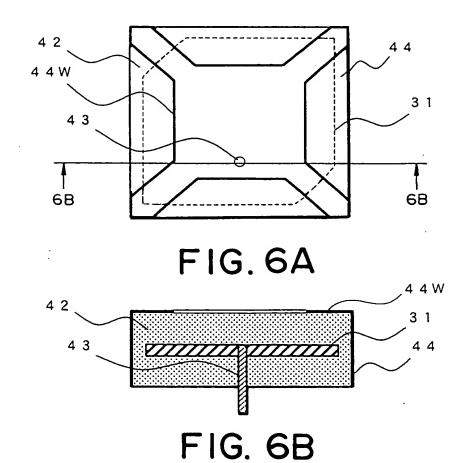


FIG. 4B PRIOR ART





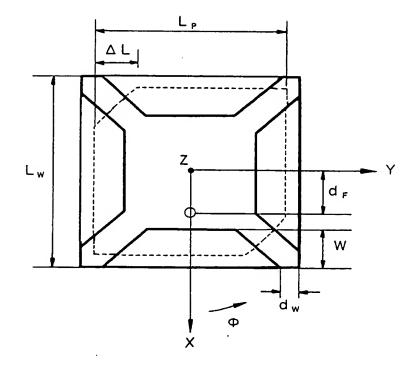


FIG. 7A

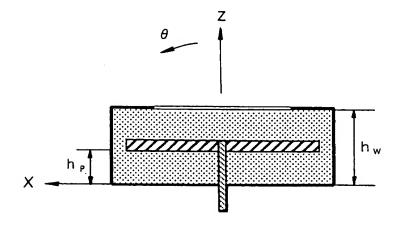


FIG. 7B

```
f = 2.33875 [GHz]
\Delta x = \Delta y = \Delta z = 0.010325 \lambda_{2.3} \equiv \Delta = 1.325 [mm]
L_p = 3.6 \Delta = 47.68 [mm]
\Delta L = 8 \Delta = 10.60 [mm]
d_f = 1.1 \Delta = 14.11 [mm]
h_p = 2 \Delta = 2.57 [mm]
\varepsilon_r = 1
d_w = 6 \Delta = 7.95 [mm]
W = 1.0 \Delta = 12.83 [mm]
h_w = 4 \Delta = 5.14 [mm]
L_w = 4.8 \Delta = 63.57 [mm]
```

FIG. 8

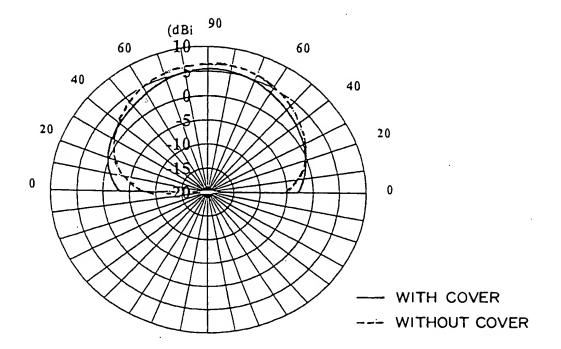


FIG. 9

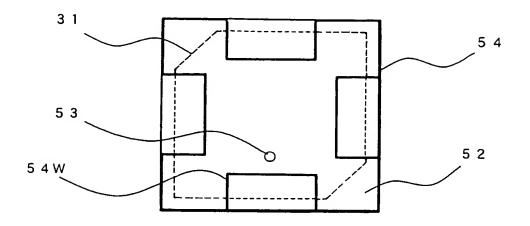


FIG. 10

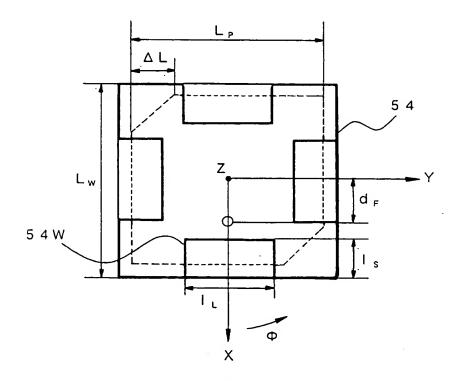


FIG. 11

```
f = 2.33875 [GHz]
\Delta x = \Delta y = \Delta z = 0.010325 \lambda_{2.3} \equiv \Delta = 1.325 [mm]
L_p = 3.6 \Delta = 47.68 [mm]
\Delta L = 9.\Delta = 11.925 [mm]
d_F = 1.1 \Delta = 14.11 [mm]
h_p = 2.\Delta = 2.57 [mm]
\varepsilon_r = 1
l_L = 1.4 \Delta = 18.55 [mm]
l_S = 1.0 \Delta = 12.83 [mm]
h_w = 4.\Delta = 5.14 [mm]
l_w = 4.8 \Delta = 63.57 [mm]
```

FIG. 12